

Date: Sat, 9 Jul 94 04:30:30 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V94 #224
To: Ham-Equip

Ham-Equip Digest Sat, 9 Jul 94 Volume 94 : Issue 224

Today's Topics:

4.2 Ghz Spectrum Analyzer, Signal Generator & Freq Counter \$400
4.2 Ghz Spectrum Analyzer, Signal Generator and freq cntr for sale
Camcorder viewer needed. (2 msgs)
heathkit e-mail address? (2 msgs)
IC-W21AT Power Question
Looking
Marine VHF
Micor cabinet keys
NEED HW100 Manual...
subscribe
TenTec 2m
Tom Sefranek re:TS440S
Wanted 80/75 meters dipole traps
WANTED: Motorola Manual

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 8 Jul 1994 18:17:10 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!
darwin.sura.net!gatekeeper.es.dupont.com!esds01.es.dupont.com!
CHEUNGWD%esvx11.es.dupont.com@network.ucsd.edu
Subject: 4.2 Ghz Spectrum Analyzer, Signal Generator & Freq Counter \$400
To: ham-equip@ucsd.edu

The following equipment was used in HF to UHF RF circuit development.
> Since I have switched interests into the personal computer world, I

> no longer have a need for the equipment.

Here it is:

Moving Out Sale

Tektronix Spectrum Analyzer 10Mhz - 4.2 Ghz
Nuclear Electronics 420 Mhz Signal Generator
JDR Electronics 1 Ghz digital freq counter

Purchased in 1991: \$1293
Asking Now : \$ 400
Location: Wilmington, DE

Make an offer to Wilson Cheung (302) 451-3128
or cheungwd@dupont.com

Date: Fri, 8 Jul 1994 17:57:17 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!darwin.sura.net!
gatekeeper.es.dupont.com!esds01.es.dupont.com!
CHEUNGWD%esvx11.es.dupont.com@network.ucsd.edu
Subject: 4.2 Ghz Spectrum Analyzer, Signal Generator and freq cntr for sale
To: ham-equip@ucsd.edu

About two years ago I acquired some surplus electronic equipment at a cost of \$1293. At the time I was using it to design and tune VHF to UHF radio circuitry. Since I go interested in personal computers, the entire set hasn't been much use to me. I'd like to get rid of the set soon so here's the offer:

Tektronix 10Mhz to 4.2 Ghz Spectrum Analyzer
Nuclear Electronics 420 Mhz Signal Generator
JDR Electronics 1 Ghz digital frequency counter

Purchased in 1991 for \$1293
Asking Now for \$ 400

return offers to Wilson Cheung (302) 451-3128
or cheungwd@dupont.com

Date: 8 Jul 1994 14:07:13 -0400
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!jobone!lynx.unm.edu!

nntp.sunbelt.net!udel!news2.sprintlink.net!news.sprintlink.net!tequesta.gate.net!
not-for-mail@network.ucsd.edu
Subject: Camcorder viewer needed.
To: ham-equip@ucsd.edu

In article <wb9omc.773604116@constellation.ecn.purdue.edu>
wb9omc@constellation.ecn.purdue.edu (Duane P Mantick) writes:
>dalep@crl.com (Dale Lukas Peterson) writes:
>
>>Hello all-
>
>>I am interested in making some "VR" glasses except instead of using small
>>computer screens or whatever they are, I would like to use the small
>>screen that is looked into when you use a camcorder.
>...edited...
> Second this. I am working on a small CCD camera system and would
>like a fairly small viewfinder for them, preferably one that requires
>12 volts DC for supply....

I picked up three camcorder viewfinders at a surplus electronics store a few years ago. They run off 12 volts, and are lightweight. I would suggest you scan the electronic experimenter magazines for these type places. The ones I got were only about \$20 apiece, so you should be able to find something at a reasonable price.

--
Ray Johnston / Digital Visions Corporation / Boca Raton FL / visions@gate.net
Voice (407) 362-0852 Fax (407) 362-0387

Date: Sat, 9 Jul 1994 03:08:03 GMT
From: ihnp4.ucsd.edu!news.acns.nwu.edu!news.eecs.nwu.edu!k9ape@network.ucsd.edu
Subject: Camcorder viewer needed.
To: ham-equip@ucsd.edu

In article <wb9omc.773604116@constellation.ecn.purdue.edu>,
Duane P Mantick <wb9omc@constellation.ecn.purdue.edu> wrote:
>dalep@crl.com (Dale Lukas Peterson) writes:
>
>>Hello all-
>
>>I am interested in making some "VR" glasses except instead of using small
>>computer screens or whatever they are, I would like to use the small
>>screen that is looked into when you use a camcorder. Does anybody have
>>any idea where I could obtain these? I would appreciate addresses,

>>phone#'s, and, prices. Thanx in advance.
>
> Second this. I am working on a small CCD camera system and would
>like a fairly small viewfinder for them, preferably one that requires
>12 volts DC for supply....
>
>Duane
>wb9omc@harbor.ecn.purdue.edu
>

We sell minature SONY cameras and monitors that will probably meet your requirements. Please send your specifications.

Sheldon L. Epstein, k9ape@eeecs.nwu.edu
Chief Engineer
Epstein Associates
P.O.B. 400
Wilmette, IL 60091-0400
U.S.A.

708:853-1084 - Voice & V-Mail
708:251-3114 - FAX

Date: Thu, 07 Jul 94 09:35:02 -0500
From: ihnp4.ucsd.edu!news.acns.nwu.edu!news.eecs.nwu.edu!fidogate.nuars.nwu.edu!
f511.n115!f738.n115!f119.n115!f747.n115!Richard.Trok@network.ucsd.edu
Subject: heathkit e-mail address?
To: ham-equip@ucsd.edu

RW>NG>Can anyone help me ?
RW>NG>I would like to know if heathkit who make electronic kits
RW>NG>have an e-mail address on internet, and if they have then
RW>NG>what is ?

Here are the Heathkit phone numbers:

1 800 858 8501

Old Heathkit parts (Questions)
616 925 4914 (Dan or Phil)

To order Heathkit parts
616 925 5899

Hours 8:00 AM - 4:30 PM EST

Hope this helps

X SLMR 2.1a X

Date: Thu, 07 Jul 94 09:57:02 -0500
From: ihnp4.ucsd.edu!news.acns.nwu.edu!news.eecs.nwu.edu!fidogate.nuars.nwu.edu!
f511.n115!f738.n115!f119.n115!f747.n115!Richard.Trok@network.ucsd.edu
Subject: heathkit e-mail address?
To: ham-equip@ucsd.edu

RW>NG>Can anyone help me ?

RW>NG>I would like to know if heathkit who make electronic kits
RW>NG>have an e-mail address on internet, and if they have then
RW>NG>what is ?

Here are the Heathkit phone numbers:

1 800 858 8501

Old Heathkit parts (questions)
616 925 4914

To order Heathkit parts
616 925 5899

Hours 8:00 AM to 4:30 PM EST

Hope this helps, 73' Rich NI9S

X SLMR 2.1a X

Date: 8 Jul 1994 20:08:59 GMT
From: ihnp4.ucsd.edu!swrinde!news.uh.edu!uuneo.neosoft.com!blkbox!
guillory@network.ucsd.edu
Subject: IC-W21AT Power Question
To: ham-equip@ucsd.edu

The answer:

Ken, KE8GW, gave me a few ideas and suggested that I call the ICOM
1-800 number. I did and here is the answer.

THe supplied wall charger puts out a really rough, ripply, 1/2 wave
ac power to the unit. (I knew these things did that but my brain

didn't click.) Anyway, this really works good for charging but the chips in the units don't work well this way. In addition, you will probably pull more current than the wall charger can supply and nuke it.

Someone pointed out that that you could not charge the unit through the top jack with a 12 volt source. The ICOM guy said there were 2 models of the W-21AT units shipped. The early model shipped with a battery charger adapter that slid on top of the battery when it was removed from the unit. This unit MUST have the adapter to charge from 12v source.

The second model did NOT ship with the adapter and will charge from a 12v. source. He did not have a range of serial numbers but the adapter did seem to be the determining factor.

That was the answer!

George Guillory, KC5HBT
guillory@blkbox.com

"To stand in silence when they should be protesting makes cowards of men." Abraham Lincoln

Date: Fri, 8 Jul 94 02:14:00 -0500
From: ihnp4.ucsd.edu!agate!iat.holonet.net!wwswinc!les.turner@network.ucsd.edu
Subject: Looking
To: ham-equip@ucsd.edu

still looking for a good power supply / speaker cabinet for my Swan 350... it takes the 117XC supply... check those closets.

* SLMR 2.1a * Tried to play my shoehorn... all I got was footnotes!

--- DB 1.58/001252
* Origin: The Modem Medium (1:105/313)

Date: 8 Jul 1994 15:56:20 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!
news.umbc.edu!eff!neoucom.edu!kira.cc.uakron.edu!malgudi.oar.net!gomer.aldus.com!
usenet@network.ucsd.edu
Subject: Marine VHF
To: ham-equip@ucsd.edu

In article <trb-070794114646@bexar.cray.com> trb@cray.com (Tom Baltz) writes:
>Please excuse some dumb questions....but.....
>
>- What frequencies are those 'Marine VHF' radios I've seen at the boat
>shop?
>
>- What special license/permits/tests are required from the FCC (or ?)to
>operate on these freqs?
>
>After what seemed like waiting forever, just got my ticket! 8-> 8->
>Just wondering about modifying my HT (if possible) for use on marine bands
>when I'm out floating...
>
>- Tom Baltz KC5HEG
> trb@cray.com

Hello, Tom

Date: Fri, 8 Jul 1994 21:19:03
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!
news.duke.edu!solaris.cc.vt.edu!mbarts.bevb.blacksburg.va.us!
mbarts@network.ucsd.edu
Subject: Micor cabinet keys
To: ham-equip@ucsd.edu

Someone broke into our repeater building and stole the key to our repeater cabinet (of all things!). Of course we don't have a duplicate.

The repeater is a Motorola Micor in its cabinet. Does anybody know if the locks on these things is uniquely keyed or is it a generic key? We have a key blank but no way of knowing how to cut it. Anyone have experience with these things?

Mike KB4NT
mbarts@vt.edu

Date: Thu, 07 Jul 94 09:55:00 -0500
From: ihnp4.ucsd.edu!news.acns.nwu.edu!news.eecs.nwu.edu!fidogate.nuars.nwu.edu!
f511.n115!f738.n115!f119.n115!f747.n115!Richard.Trok@network.ucsd.edu
Subject: NEED HW100 Manual...
To: ham-equip@ucsd.edu

AC>I just bought a Heathkit HW-100 and it needs a little work. Does

AC>anyone know how I can get a copy of the manual for it. I am also looking
AC>to buy or build a power supply (HP-13 or HP-23) for it. If you can
AC>get access or know where I can get manuals to the HW-100, HP-23, or HP-13
AC>I would appreciate it! Thanks for reading....

Here are the Heathkit phone numbers:
1 800 858 8501

Old Heathkit parts (questions)
616 925 4914

To order Heathkit parts
616 925 5899

Hours 8:00 AM to 4:30 PM EST

Hope this helps, 73's Rich NI9S

X SLMR 2.1a X

X SLMR 2.1a X

Date: 9 Jul 94 11:55:23 GMT
From: news-mail-gateway@ucsd.edu
Subject: subscribe
To: ham-equip@ucsd.edu

subscribe
hnelson@facstaff.wisc.edu

Date: 8 Jul 1994 23:55:28 GMT
From: netnews.upenn.edu!news.drexel.edu!dunx1.ocs.drexel.edu!DUVM.OCS.DREXEL.EDU!
XTL00014@RUTGERS.EDU
Subject: TenTec 2m
To: ham-equip@ucsd.edu

How is the TenTec 2m kit? Please respond.
73 de N3RCS es gd DX
(Adam O'Donnell, xtl00014@duvm.ocs.drexel.edu, Philmont MRC member)

Date: Fri, 8 Jul 1994 13:39:12 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!zip.eecs.umich.edu!umn.edu!news@network.ucsd.edu
Subject: Tom Sefranek re:TS440S
To: ham-equip@ucsd.edu

Tom

I tried sending E-Mail to you but both times it bounced back as being "Undeliverable". Not sure what the problem is, but I am very interested in the PC board you have and need to talk more to you about it.

Please send me your E-Mail address and I'll try it again. This time put your address in the text of the message in case for some reason it's not the same I see when I use "Reply".

Tnx

George

Date: Fri, 8 Jul 1994 14:52:39 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
pineapp@network.ucsd.edu
Subject: Wanted 80/75 meters dipole traps
To: ham-equip@ucsd.edu

I am looking to buy one set of 75/80 meters dipole traps.
Please send price and condition information via e-mail.

Thank you,

--

|-----+-----|
INTERNET: pineapp@netcom.com (DC436)	Daniel Curry WB6STW
AMPRNET : dan@wb6stw.ampr.org [44.4.20.144]	E-:-) Ham Radio Operator
AX.25 : wb6stw@n0ary.#NOCAL.CA.USA.NA	Redwood City, CA USA
'-----+-----'

Date: Fri, 08 Jul 94 09:50:22 -0500
From: library.ucla.edu!agate!howland.reston.ans.net!math.ohio-state.edu!
news.acns.nwu.edu!news.eecs.nwu.edu!fidogate.nuars.nwu.edu!f511.n115!f738.n115!
f119.n115!f747.n115!Mark@ihnp4.ucsd.edu
Subject: WANTED: Motorola Manual
To: ham-equip@ucsd.edu

HELP! I'm looking for the service manuals for the Motorola Motrac Model U43HHT1100D. It's an older tube-type VHF unit, separate transmit and receive sections, rack mount. Has been "modified" (i.e. re-tuned, etc.) to operate on 2m.

Other than a blown speaker, it seems to be in fairly good working order (and I've already remedied the speaker).

Advise on conditions for obtaining the manual. Thanks!

Mark N9WYS

... Computers are tools, but the Amiga is an instrument.

Date: 8 Jul 1994 12:38:31 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!psgrain!reuter.cse.ogi.edu!hp-cv!hp-pcd!
news1.boi.hp.com!cupnews0.cup.hp.com!nsa.hp.com!hpscit.sc.hp.com!news.dtc.hp.com!
col.hp.com!jms@network.
To: ham-equip@ucsd.edu

References <mgalatz.1122518801A@198.7.0.1>, <2uuiup\$j7d@hp-col.col.hp.com>,
<jdow.773395729@BIX.com>d
Subject : Re: R390A/R388

jdow on BIX (jdow@BIX.com) wrote:

: Home brew it. That is what I did. I added a 7360 product detector and hang
: AGC and a synchronous AM and FM demodulator. I also tweaked it with another
: mixer so that I could cover an effective (sorta) 10KHz to 500KHz range, not
: that I have found much of a use for it other than copying Russian trawlers
: in the 450-500KHz range.

Can you point me towards any articles on building a 7360 product detector,
etc.? Or did you just do it from scratch using a tube manual? I have
a lot of old QST'a and ARRL Amateur Radio Handbooks that I can research,
but if you happen to know where to look....

Mike, K0TER

Date: 8 Jul 94 21:11:35 GMT
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!lll-winken.llnl.gov!noc.near.net!
news.delphi.com!BIX.com!jdow@network.ucsd.edu
To: ham-equip@ucsd.edu

References <2uuiup\$j7d@hp-col.col.hp.com>, <jdow.773395729@BIX.com>,

<2vjhc7\$hvm@hp-col.col.hp.com>

Subject : Re: R390A/R388

jms@col.hp.com (Mike Stansberry) writes:

>jdow on BIX (jdow@BIX.com) wrote:

>: Home brew it. That is what I did. I added a 7360 product detector and hang
>: AGC and a synchronous AM and FM demodulator. I also tweaked it with another
>: mixer so that I could cover an effective (sorta) 10KHz to 500KHz range, not
>: that I have found much of a use for it other than copying Russian trawlers
>: in the 450-500KHz range.

>Can you point me towards any articles on building a 7360 product detector,
>etc.? Or did you just do it from scratch using a tube manual? I have
>a lot of old QST'a and ARRL Amateur Radio Handbooks that I can research,
>but if you happen to know where to look....

>Mike, K0TER

Mike, I did it purely using the data sheets and a little tweaking. (I also have a pair of 7360's used as a phasing type SSB modulator in a somewhat tweaked Heathkit HX-30. THAT one was "strange" in that it was a hybrid of beam-deflection tubes and transistors in cascode to minimize crosstalk between the plates and the deflection plates. It worked pretty well before I retired it.)

I'd research old QSTs in the <mumble> early to mid 70s for some data.

<^_> Joanne Dow, Amiga Exchange Editor
jdow@bix.com

Date: (null)

From: (null)

Marine VHF

Ch	Ship	Ch	Ship
		60	156.025
1	156.050	61	156.075
2	156.100	62	156.125
3	156.150	63	156.175
4	156.200	64	156.225
5	156.250	65	156.275
6	156.300	66	156.325
7	156.350	67	156.375
8	156.400	68	156.425
9	156.450	69	156.475
10	156.500	70	156.525

11	156.550	71	156.575
12	156.600	72	156.625
13	156.650	73	156.675
14	156.700	74	156.725
15	156.750	75	- - - -
16	156.800	76	- - - -
17	156.850	77	156.875
18	156.900	78	156.925
19	156.950	79	156.975
20	157.000	80	157.025
21	157.050	81	157.075
22	157.100	82	157.125
23	157.150	83	157.175
24	157.200	84	157.225
25	157.250	85	157.275
26	157.300	86	157.325
27	157.350	87	157.375
28	157.400	88	157.425

Shore stations are 4.600 MHz above the ship frequency. In U.S. waters the shore frequency may be used on Chs 20, 24-28 & 84-87. Chs 1-5 & 60-64 are shared with other services. Chs 75 & 76 are reserved as guard bands for ch 16.

Specific assignments include:

06 - Intership Safety	13 - Weather, notices, etc
16 - General Calling	22 - Coast Guard Liaison

On-board Communications:

Ch	mobile	repeater
1	467.750	457.525
2	467.775	457.550
3	467.800	457.575
4	467.825	457.600

No test is required to operate a marine VHF, but a station license is required, and a Restricted Radiotelephone Operator Permit is required to operate in non-US waters.

Finally, transmitting equipment for ANY band except Amateur must be type-accepted, thus you cannot legally modify your HT for marine use.

David Mitchell
KI7WW GROL

End of Ham-Equip Digest V94 #224
